CLAIMS

1. (Currently Amended) A mattress comprising:

an innerspring having a plurality of spring elements arranged in an array and defining a first support side, a second support side parallel to the first support side, and a perimeter about the first and second support sides;

a foam deck adjacent one of the support sides of the innerspring, and

a foam encasement about the innerspring and in contact with the foam deck and the innerspring,

wherein the foam deck has first and second parallel and spaced apart panels and a web structure between the panels, and the foam encasement extends into the web structure.

2. (Original) The mattress of claim 1 further comprising a pad adjacent a support side of the innerspring opposite the foam deck.

3. (Original) The mattress of claim 2 further comprising a foam topper adjacent the pad.

4. (Cancelled).

5. (Original) The mattress of claim 2 wherein the foam encasement is in contact with the pad.

6. (Original) The mattress of claim 1 wherein the foam encasement forms an exterior wall which extends from the foam deck to the pad.

7. (Currently Amended) The mattress of claim ~~1~~ 2 wherein the foam encasement is in contact with spring elements of the innerspring.

8. (Currently Amended) The mattress of claim ~~1~~ 3 wherein the foam topper is adhesively attached to the pad.

9. (Original) The mattress of claim 1 wherein the foam encasement is molded about the foam deck and innerspring.

10. (Currently Amended) The mattress of claim ~~2~~ 3 wherein perimeters of the foam deck and foam topper are aligned with a perimeter of the innerspring.

11. (Original) The mattress of claim 1 further comprising at least one additional foam component.

12. (Currently Amended) The mattress of claim ~~2~~ 3 wherein the foam deck, innerspring, pad and foam topper are connected together by the foam encasement.

13. (Original) The mattress of claim 1 further comprising a second foam deck adjacent a support side of the innerspring, and wherein the foam encasement is in contact with the second foam deck.

14. (Currently Amended) The mattress of claim ~~2~~ 3 wherein the foam topper has a generally planar surface in contact with a support surface of the innerspring, and a sculpted surface facing away from the innerspring.

15. (Currently Amended) The mattress of claim ~~2~~ 3 wherein the foam topper further comprises at least one side rail.

16. (Currently Amended) The mattress of claim ~~2~~ 3 wherein the foam encasement extends under a perimeter area of the foam topper.

17. (Currently Amended) The mattress of claim ~~2~~ 3 wherein the foam encasement contacts an underside of the foam topper which is in contact with a support surface of the innerspring.

18. (Currently Amended) The mattress of claim ~~1~~ 3 further comprising at least one layer of padding adjacent the foam topper, and upholstery over the layer of padding.

19. (Currently Amended) The mattress of claim ~~1~~ 11 wherein the ~~at least one~~ additional foam component is in the form of a box beam.

20. (Original) The mattress of claim 1 further comprising a foam component which extends from a panel of the foam deck and engages with the innerspring.

21. (Original) The mattress of claim 1 further comprising separate foam components engaged with the innerspring.

22. (Currently Amended) A flexible support structure comprising:

an innerspring having a plurality of interconnected coils with the axes of the coils generally parallel and the ends of the coils generally aligned in planes which define first and second support sides of the innerspring;

a foam deck having a first panel parallel to and spaced from a second panel, the first and second panels of the foam deck connected by at least one web therebetween, and one of the panels of the foam deck positioned adjacent to a first support side of the innerspring,

and an encapsulating foam in contact with the foam deck and the innerspring, wherein the encapsulating foam extends between the first and second panels of the foam deck.

23. (Cancelled).

24. (Currently Amended) The flexible support structure of claim ~~21~~ 22 further comprising a foam topper positioned adjacent a second support side of the innerspring.

25. (Currently Amended) The flexible support structure of claim ~~23~~ 24 wherein the encasement foam is in contact with the foam topper.

26. (Currently Amended) A resilient support structure comprising:

a flexible core having opposed planar sides and a perimeter which extends from one planar side to an opposite planar side;

a foam deck positioned under the flexible core adjacent one of the planar sides of the flexible core, the foam deck having first and second parallel and spaced apart panels and a web structure between the panels;

and a foam encasement which forms an exterior wall around a perimeter of the flexible core and ~~contacts~~ extends into the web structure of the foam deck, and

a foam topper positioned on top of the flexible core adjacent a planar side of the flexible core opposite the foam deck.

27. (Cancelled).

28. (Original) The resilient support structure of claim 26 wherein the foam encasement is molded about the foam deck and the flexible core.

29. (Original) The resilient support structure of claim 26 further comprising an insulator pad on one of the planar sides of the flexible core opposite the foam deck.

30. (Original) The resilient support structure of claim 29 wherein the foam encasement is attached to the foam deck, flexible core and insulator pad.

31. (Original) The resilient support structure of claim 26 wherein the foam encasement is cured about the perimeter coils of the flexible core.

32. (Original) The resilient support structure of claim 26 wherein a density of the foam encasement is different than a density of the foam deck.

33. (Currently Amended) The resilient support structure of claim ~~26~~ 29 ~~further comprising a~~ wherein the foam topper is adjacent the insulator pad.

34. (Original) The resilient support structure of claim 33 wherein the foam topper has side rails and a sculpted support surface.

35. (Original) The resilient support structure of claim 33 wherein the foam topper is permanently bonded to the insulator pad.

36. (Original) The resilient support structure of claim 33 wherein a density of the foam topper is different than a density of the foam encasement.

37. (Original) The resilient support structure of claim 33 further comprising an upholstery layer over the foam topper.

38. (Original) The resilient support structure of claim 26 in the form of a one-sided mattress with the foam deck located at a bottom of the mattress.

39. (Original) The resilient support structure of claim 26 wherein the foam topper comprises rails which are generally aligned with walls of the foam encasement.

40-45. (Cancelled).

46. (Currently Amended) A mattress core comprising:

a flexible core;

a foam deck which underlies the flexible core, wherein the foam deck has at least two spaced apart panels and a web structure between the panels;

an insulator pad which overlies the flexible core;

and a foam encasement which substantially surrounds a perimeter of the flexible core, foam deck and insulator pad and extends into the web structure of the foam deck.

47. (Currently Amended) The mattress core of claim 46 further comprising a foam topper on top of the insulator pad ~~opposite the flexible core~~.

48. (Cancelled).

49. (Original) The mattress core of claim 47 wherein the foam encasement contacts the foam topper.

50. (Original) The mattress core of claim 46 wherein the flexible core is an innerspring.

51. (Original) The mattress core of claim 46 wherein the flexible core is a foam structure.

52. (Original) The mattress core of claim 46 wherein the insulator pad is formed of polyester fibers to which the foam encasement is bonded.

53. (Original) The mattress core of claim 46 wherein the insulator pad is a polyurethane pad to which the foam encasement is bonded.

54. (Original) The mattress core of claim 47 wherein the foam topper is adhesively bonded to the insulator pad.

55. (Original) The mattress core of claim 50 wherein the foam encasement is formed about coils of the innerspring.

Respectfully submitted,

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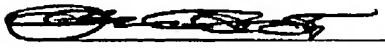
Date



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